



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF PRECAST COVER SLAB

Lab ID : CP-2017-12-30-03 Date: 03-01-18
Customer : Assistant Executive Engineer, Project Sub division, BBMP, Bangalore.
Address : Project Sub division, BBMP, Bangalore.
Project Name : Construction of CC roads and drains at Kanaka Nagar in Ward no.04
Agency : Sri. G. Venkate Gowda, No.531/1, 14th 'A' cross, 'A' Sector, New town, Yelahanka Upanagara, Bangalore-64.
Customer's Reference : EE(Project)/Ynk Zone/ WO/89/2017-18
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 30-12-17
Sample ID No : 2017-12-30-03/01
Sample Type /Size : Precast Cover Slab
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete
Date of test : 30/12/2017

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm ²)	(N/mm ²)	(N/mm ²)
1	Cover Slab-1	75.51	100.48	1.316	4477	80.9	18.1	16.8	21.0
2	Cover Slab-2	75.49	100.52	1.322	4475	82.3	18.4	17.1	21.4
3	Cover Slab-3	75.50	100.51	1.338	4476	81.5	18.2	16.9	21.2

Note:

The results pertain to the samples received and tested.
All information furnished by the Customer/Representative
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This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate



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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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TEST REPORT OF PRECAST COVER SLAB

Lab ID : CP-2017-12-30-03 Date: 03-01-18

Customer : Assistant Executive Engineer, Project Sub division, BBMP, Bangalore.

Address : Project Sub division, BBMP, Bangalore.

Project Name : Construction of CC roads and drains at Kanaka Nagar in Ward no.04

Agency : Sri. G. Venkate Gowda, No.531/1, 14th 'A' cross, 'A' Sector, New town, Yelahanka Upanagara, Bangalore-64.

Customer's Reference : EE(Project)/Ynk Zone/ WO/89/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 30-12-17

Sample ID No : 2017-12-30-03/02

Sample Type /Size : Precast Cover Slab

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete

Date of test : 30/12/2017

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm ²)	(N/mm ²)	(N/mm ²)
1	Cover Slab-1	100.51	250.48	2.516	7933	134.9	17.0	15.8	19.8
2	Cover Slab-2	100.49	250.52	2.622	7930	139.3	17.6	16.3	20.4
3	Cover Slab-3	100.44	250.51	2.438	7922	138.5	17.5	16.3	20.3

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 Quality Manager

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TEST REPORT OF CEMENT CONCRETE KERB STONE

Lab ID : CP-2017-12-28-01 Date: 02-01-18

Customer : Assistant Executive Engineer, Project Sub division, BBMP, Bangalore.

Address : Project Sub division, BBMP, Bangalore.

Project Name : Construction of CC roads and drains at Kanaka Nagar in Ward no.04

Agency : Sri. G. Venkate Gowda, No.531/1, 14th 'A' cross, 'A' Sector, New town, Yelahanka Upanagara, Bangalore-64.

Customer's Reference : EE(Project)/Ynk Zone/ WO/89/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 28-12-17

Sample ID No : 2017-12-28-01/05

Sample Type /Size : CC Kerb Stone/ 450*200*400mm

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete

Date of test : 29/12/2017

SL No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	Kg	(Sq.mm)	(KN)	(N/mm ²)	(N/mm ²)	(N/mm ²)
1	A	100.01	200.32	3.237	7854	139.7	17.8	16.5	- 20.7
2	B	100.03	200.38	3.188	7857	136.9	17.4	17.4	21.8
3	C	100.01	200.43	3.263	7854	137.8	17.5	17.5	21.9

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4, 7TH MAIN MALLESWARAM, BANGALORE - 3

TEST RESULTS OF GRADATION FOR WMM

Lab ID : CP-RW-2017-12-29-03 Date: 30-12-17
Customer : Assistant Executive Engineer, Project Sub division, BBMP, Bangalore.
Address : Project Sub division, BBMP, Bangalore.
Project Name : Construction of CC roads and drains at Kanaka Nagar in Ward no.04
Agency : Sri. G. Venkate Gowda, No.531/1, 14th 'A' cross, 'A' Sector, New town, Yelahanka Upanagara, Bangalore-64.
Customer Reference : EE(Project)/Ynk Zone/ WO/89/2017-18
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 29-12-17
Sample ID No : 2017-12-29-03/01
Type of Mix : WMM (Wet Mix Macadam)
Date of test : 29-12-17
Oven Dry Weight : 11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	288	288	2.6	97.4	95-100
22.4	2273	2561	23.3	76.7	60-80
11.2	2205	4766	43.3	56.7	40-60
4.75	2244	7010	63.7	36.3	25-40
2.36	1625	8635	78.5	21.5	15-30
0.6	946	9581	87.1	12.9	8-22
0.075	1038	10619	96.5	3.5	0-5

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TEST REPORT OF AGGREGATE IMPACT VALUE

IS: 2386 Part IV

Date: 30-12-17

Lab ID : CP-RW-2017-12-29-03

Customer : Assistant Executive Engineer, Project Sub division, BBMP, Bangalore.

Address : Project Sub division, BBMP, Bangalore.

Project Name : Construction of CC roads and drains at Kanaka Nagar in Ward no.04

Agency : Sri. G. Venkate Gowda, No.531/1, 14th 'A' cross, 'A' Sector, New town, Yelahanka Upanagara, Bangalore-64.

Customer Reference : EE(Project)/Ynk Zone/ WO/89/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 29-12-17

Sample ID No : 2017-12-29-03/01

Type of Mix : Coarse Aggregate for WMM (Wet Mix Macadam)

Date of test : 29-12-17

Sl.No	Particulars of observations	Index	TEST 1	TEST 2
1	Total weight of the surface dry sample sample (passing 12.5 mm and retained on 10mm sieve)	A	314.5	314.5
2	Weight of fraction passing 2.36mm sieve After giving 15 blows	B	73.9	74.0
3	weight of fraction retained 2.36mm sieve After giving 15 blows	C	240.2	240.2
4	Total weight of (B+C) is less than the initial weight (Weight A) by more than one gram the result shall be discarded and a fresh test made.	A-(B+C)	0.4	0.3
5	Aggregate impact value	(B/A)*100	23.5	- 23.5
6	Aggregate impact value (Mean of two tests)	Percentage	23.5	

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DETERMINATION OF FLAKINESS INDEX AND ELONGATION INDEX OF COARSE AGGREGATE (IS 2386 (Part 1) 1963 (RA 2007))

Lab ID : CP-RW-2017-12-29-03 Date: 30-12-17
Customer : Assistant Executive Engineer, Project Sub division, BBMP,
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Address : Project Sub division, BBMP, Bangalore.
Project Name : Construction of CC roads and drains at Kanaka Nagar in Ward
no.04
Agency : Sri. G. Venkate Gowda, No.531/1, 14th 'A' cross, 'A' Sector, New
town, Yelahanka Upanagara, Bangalore-64.
Customer Reference : EE(Project)/Ynk Zone/ WO/89/2017-18
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 29-12-17
Sample ID No : 2017-12-29-03/01
Type of Mix : Coarse Aggregate for WMM (Wet Mix Macadam)
Date of test : 29-12-17

Result:

Index	Percentage of Flakiness and Elongation Index	Secified limits as per MORTH specification table 400-12
Flakiness Index	13.2%	Combined Flakiness & Elongation Index for WMM is Maximum 35%
Elongation Index	10.9%	
Combined Flakiness and Elongation Index for WMM	24.1%	

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